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OM protein - protein search, using sw model

Run on: July 24, 2003, 13:18:11 ; Search time 18 Seconds
(without alignments)
545.340 Million cell updates/sec

Title: US-09-897-322-2

Perfect score: 1268

Sequence: 1 MERCPSLGVTLYALVVVLGL.....QRCGWIPQYPIIIECKKSC 232

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep.*
2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep.*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1268	100.0	232	2	US-08-485-721-2
2	1268	100.0	232	2	US-08-392-935-2
3	1268	100.0	232	3	US-08-897-236-2
4	1268	100.0	232	4	US-09-167-874-2
5	1268	100.0	232	4	US-09-500-253B-2
6	1268	100.0	232	5	PCT-US93-08326-2
7	1258	99.2	232	3	US-08-897-236-11
8	1258	99.2	232	3	US-09-167-874-11
9	1258	99.2	232	4	US-09-500-253B-11
10	1195	94.2	449	3	US-08-897-236-23
11	1195	94.2	449	4	US-09-500-253B-23
12	949.5	74.9	222	2	US-08-485-721-9
13	949.5	74.9	222	2	US-08-392-935-9
14	949.5	74.9	222	5	PCT-US93-08326-9
15	503	39.7	87	2	US-08-485-721-11
16	503	39.7	87	2	US-08-392-935-11
17	503	39.7	87	5	PCT-US93-08326-11
18	111.5	8.8	635	4	US-09-252-991A-21514
19	93.5	7.4	372	3	US-08-586-165-5
20	92.5	7.3	306	4	US-09-252-991A-23829
21	92	7.3	538	4	US-09-309-572-12
22	92	7.3	1312	4	US-09-554-572-26
23	92	7.3	1737	4	US-09-309-572-13
24	90.5	7.1	483	1	US-08-194-338-7
25	90.5	7.1	623	3	US-09-347-801-4
26	89	7.0	632	4	US-09-252-991A-32280
27	88.5	7.0	371	3	US-08-586-165-3

28	88.5	7.0	979	3	US-08-870-529-2	Sequence 2, Appli
29	88.5	7.0	979	4	US-09-544-794-2	Sequence 2, Appli
30	87.5	6.9	399	4	US-09-252-991A-25039	Sequence 25039, A
31	87.5	6.9	1368	4	US-09-967-908A-2	Sequence 2, Appli
32	87	6.9	14	1	US-08-297-633A-3	Sequence 3, Appli
33	87	6.9	14	2	US-08-485-721-3	Sequence 3, Appli
34	87	6.9	14	2	US-08-392-935-3	Sequence 3, Appli
35	87	6.9	14	3	US-08-897-236-3	Sequence 3, Appli
36	87	6.9	14	3	US-09-167-874-3	Sequence 3, Appli
37	87	6.9	14	4	US-09-500-253B-3	Sequence 3, Appli
38	87	6.9	14	5	PCT-US93-08325-3	Sequence 3, Appli
39	87	6.9	14	5	PCT-US93-08326-3	Sequence 3, Appli
40	86	6.8	625	3	US-09-347-801-18	Sequence 18, Appl
41	85.5	6.7	315	4	US-08-957-351-27	Sequence 27, Appl
42	85.5	6.7	461	4	US-09-252-991A-24717	Sequence 24717, A
43	85	6.7	1621	1	US-08-242-677-2	Sequence 2, Appli
44	84.5	6.7	342	4	US-09-252-991A-23038	Sequence 23038, A
45	84	6.6	896	4	US-09-252-991A-19758	Sequence 19758, A

ALIGNMENTS

RESULT 1
US-08-485-721-2
; Sequence 2, Application US/08485721
; Patent No. 5821124
; GENERAL INFORMATION:
; APPLICANT: Regeneron Pharmaceuticals, Inc. and
; APPLICANT: Regents of the University of California
; TITLE OF INVENTION: Dorsal Tissue Affecting Factor and
; TITLE OF INVENTION: Compositions
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill River Road
; CITY: Tarrytown
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10591
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,721
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/392,935
; FILING DATE: 02-SEP-1993
; APPLICATION NUMBER: PCT/US93/08326
; FILING DATE: 02-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Kempler Ph.D., Gail M.
; REGISTRATION NUMBER: 32,143
; REFERENCE/DOCKET NUMBER: Reg 132
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 914-347-7000
; TELEFAX: 914-347-2113
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-485-721-2

Query Match 100.0%; Score 1268; DB 2; Length 232;
Best Local Similarity 100.0%; Pred. No. 3e-126;
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 61 LNETLLRSLGHHYDPGFMTSPEDRPGGGGGAAGGAEDLAELDQLLRQPSGAMPSEI 120
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Db 121 KGLEFSEGLAOGKKORLSKKLRKQLMWLWSQTCFVLYAWNDLGSFWRPVRVKGSCFS 180
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Db 181 KRCSVPPEGMVCKPSKSVHLTVLRWRCORRGQRCGWIPYPIIIECKKSC 232

RESULT 2

US-08-392-935-2
; Sequence 2, Application US/08392935
; Patent No. 5843775
; GENERAL INFORMATION:
; APPLICANT: Regeneron Pharmaceuticals, Inc. and
; APPLICANT: Regents of the University of California
; TITLE OF INVENTION: Dorsal Tissue Affecting Factor and
; TITLE OF INVENTION: Compositions
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill River Road
; CITY: Tarrytown
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10591
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/392,935
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/08326
; FILING DATE: 02-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Kempler Ph.D., Gail M.
; REGISTRATION NUMBER: 32,143
; REFERENCE/DOCKET NUMBER: Reg 132
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 914-347-7000
; TELEFAX: 914-347-2113
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-392-935-2

Query Match 100.0%; Score 1268; DB 2; Length 232;
Best Local Similarity 100.0%; Pred. No. 3e-126;
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 MERCPSLGVTLYALVVVLGRATPAGQHYLHIRPAPSDNPLVDLIEHPDPIEDPKKD 60
QY 61 LNETLLRSLGHHYDPGFMTSPEDRPGGGGGAAGGAEDLAELDQLLRQPSGAMPSEI 120
Db 61 LNETLLRSLGHHYDPGFMTSPEDRPGGGGGAAGGAEDLAELDQLLRQPSGAMPSEI 120

QY 121 KGLEFSEGLAOGKKORLSKKLRKQLMWLWSQTCFVLYAWNDLGSFWRPVRVKGSCFS 180
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Db 181 KRCSVPPEGMVCKPSKSVHLTVLRWRCORRGQRCGWIPYPIIIECKKSC 232

RESULT 3

US-08-897-236-2
; Sequence 2, Application US/08897236A
; Patent No. 6075007
; GENERAL INFORMATION:
; APPLICANT: Regeneron Pharmaceuticals, Inc.
; TITLE OF INVENTION: Modified Dorsal Tissue Affecting Factor and Composition
; FILE REFERENCE: REG 133
; CURRENT APPLICATION NUMBER: US/08/897,236A
; CURRENT FILING DATE: 1997-07-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 232
; TYPE: PRT
; ORGANISM: human
US-08-897-236-2

Query Match 100.0%; Score 1268; DB 3; Length 232;
Best Local Similarity 100.0%; Pred. No. 3e-126;
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 LNETLLRSLGHHYDPGFMTSPEDRPGGGGGAAGGAEDLAELDQLLRQPSGAMPSEI 120
Db 61 LNETLLRSLGHHYDPGFMTSPEDRPGGGGGAAGGAEDLAELDQLLRQPSGAMPSEI 120
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Db 121 KGLEFSEGLAOGKKORLSKKLRKQLMWLWSQTCFVLYAWNDLGSFWRPVRVKGSCFS 180
QY 181 KRCSVPPEGMVCKPSKSVHLTVLRWRCORRGQRCGWIPYPIIIECKKSC 232
Db 181 KRCSVPPEGMVCKPSKSVHLTVLRWRCORRGQRCGWIPYPIIIECKKSC 232

RESULT 4

US-09-167-874-2
; Sequence 2, Application US/09167874
; Patent No. 6277593
; GENERAL INFORMATION:
; APPLICANT: Valenzuela et al.
; TITLE OF INVENTION: DORSAL TISSUE AFFECTING FACTOR AND COMPOSITIONS
; FILE REFERENCE: REG132-B
; CURRENT APPLICATION NUMBER: US/09/167,874
; CURRENT FILING DATE: 1998-10-07
; EARLIER APPLICATION NUMBER: 08/485,721
; EARLIER FILING DATE: 1995-07-06
; EARLIER APPLICATION NUMBER: 08/392,935
; EARLIER FILING DATE: 1995-09-22
; EARLIER APPLICATION NUMBER: PCT/US93/08326
; EARLIER FILING DATE: 1993-09-02
; EARLIER APPLICATION NUMBER: 07/957,401
; EARLIER FILING DATE: 1992-10-06
; EARLIER APPLICATION NUMBER: 07/950,410
; EARLIER FILING DATE: 1992-09-23
; EARLIER APPLICATION NUMBER: 07/939,954
; EARLIER FILING DATE: 1992-09-03
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2

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; LENGTH: 232
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-167-874-2

Query Match      100.0%; Score 1268; DB 3; Length 232;
Best Local Similarity 100.0%; Pred. No. 3e-126;
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MERCPSLGVTLVYALVYVVLGLRATPAGQGHYHLIRPAPSDNPLVLDLIEHPDPIDFDPKEKD 60

QY 61 LNETLLRSLGHHYDPGFMTATSPEDRPGGGGGAAGGAEDLAELDQLLRQPSGAMPSEI 120
DB 61 LNETLLRSLGHHYDPGFMTATSPEDRPGGGGGAAGGAEDLAELDQLLRQPSGAMPSEI 120

QY 121 KGLEFSEGLAQGKKQLRKLQWLWLSQTFPCVLYAWNDLGSFRFPRYVKGSCFS 180
DB 121 KGLEFSEGLAQGKKQLRKLQWLWLSQTFPCVLYAWNDLGSFRFPRYVKGSCFS 180

QY 181 KRCSVPPEGVCKPSKSVHLTVLRWCORRGQRCGWIPQIPIIIECKKSC 232
DB 181 KRCSVPPEGVCKPSKSVHLTVLRWCORRGQRCGWIPQIPIIIECKKSC 232

RESULT 5
US-09-500-253B-2
; Sequence 2, Application US/09500253B
; Patent No. 6500640
; GENERAL INFORMATION:
; APPLICANT: Regeneron Pharmaceuticals, Inc.
; TITLE OF INVENTION: Modified Dorsal Tissue Affecting Factor and Composition
; FILE REFERENCE: REG 133-Z
; CURRENT APPLICATION NUMBER: US/09/500,253B
; CURRENT FILING DATE: 2000-02-08
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 232
; TYPE: PRT
; ORGANISM: human
US-09-500-253B-2

Query Match      100.0%; Score 1268; DB 4; Length 232;
Best Local Similarity 100.0%; Pred. No. 3e-126;
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MERCPSLGVTLVYALVYVVLGLRATPAGQGHYHLIRPAPSDNPLVLDLIEHPDPIDFDPKEKD 60

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DB 61 LNETLLRSLGHHYDPGFMTATSPEDRPGGGGGAAGGAEDLAELDQLLRQPSGAMPSEI 120

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DB 121 KGLEFSEGLAQGKKQLRKLQWLWLSQTFPCVLYAWNDLGSFRFPRYVKGSCFS 180

QY 181 KRCSVPPEGVCKPSKSVHLTVLRWCORRGQRCGWIPQIPIIIECKKSC 232
DB 181 KRCSVPPEGVCKPSKSVHLTVLRWCORRGQRCGWIPQIPIIIECKKSC 232

RESULT 6
PCT-US93-08326-2
; Sequence 2, Application PC/TUS9308326
; GENERAL INFORMATION:
; APPLICANT: Valenzuela, et al.
; TITLE OF INVENTION: Dorsal Tissue Affecting Factor and
; COMPOSITIONS
; NUMBER OF SEQUENCES: 24
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```
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill River Road
; CITY: Tarrytown
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10591
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; APPLICATION NUMBER: PCT/US93/08326
; FILING DATE: 02-SEP-1993
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kempler Ph.D., Gail M.
; REGISTRATION NUMBER: 32,143
; REFERENCE/DOCKET NUMBER: Reg 132
; TELEPHONE: 914-347-7000
; TELEFAX: 914-347-2113
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
PCT-US93-08326-2

Query Match      100.0%; Score 1268; DB 5; Length 232;
Best Local Similarity 100.0%; Pred. No. 3e-126;
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MERCPSLGVTLVYALVYVVLGLRATPAGQGHYHLIRPAPSDNPLVLDLIEHPDPIDFDPKEKD 60

QY 61 LNETLLRSLGHHYDPGFMTATSPEDRPGGGGGAAGGAEDLAELDQLLRQPSGAMPSEI 120
DB 61 LNETLLRSLGHHYDPGFMTATSPEDRPGGGGGAAGGAEDLAELDQLLRQPSGAMPSEI 120

QY 121 KGLEFSEGLAQGKKQLRKLQWLWLSQTFPCVLYAWNDLGSFRFPRYVKGSCFS 180
DB 121 KGLEFSEGLAQGKKQLRKLQWLWLSQTFPCVLYAWNDLGSFRFPRYVKGSCFS 180

QY 181 KRCSVPPEGVCKPSKSVHLTVLRWCORRGQRCGWIPQIPIIIECKKSC 232
DB 181 KRCSVPPEGVCKPSKSVHLTVLRWCORRGQRCGWIPQIPIIIECKKSC 232

RESULT 7
US-08-897-236-11
; Sequence 11, Application US/08897236A
; Patent No. 6075007
; GENERAL INFORMATION:
; APPLICANT: Regeneron Pharmaceuticals, Inc.
; TITLE OF INVENTION: Modified Dorsal Tissue Affecting Factor and Composition
; FILE REFERENCE: REG 133
; CURRENT APPLICATION NUMBER: US/08/897,236A
; CURRENT FILING DATE: 1997-07-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 232
; TYPE: PRT
; ORGANISM: mouse
US-08-897-236-11

Query Match      99.2%; Score 1258; DB 3; Length 232;
Best Local Similarity 99.1%; Pred. No. 3.5e-125;
Matches 230; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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Db 1 MERCPSLGVTLYALVVVLGLRATPAGGQHYLHIRPAPSDNPLPLVDLIEHPDPIFDPKED 60

QY 61 LNETLLRSLGHHYDPGFMATSPEDRPGGGGAGGAEDLAELDQLLRRPSPGAMPSEI 120
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Db 61 LNETLLRSLGHHYDPGFMATSPEDRPGGGGAGGAEDLAELDQLLRRPSPGAMPSEI 120

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|||||
Db 121 KGLEFSEGLAQKKORLSKKLRRKQLMWLWSQTFPCPVLYAWNDLGSFRFPYRVKVGSCFS 180

QY 181 KRCSVPPEGMVCKPSKSVHLTVLRWRCORRGQCGWIPIQYPIIIECKKSC 232
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Db 181 KRCSVPPEGMVCKPSKSVHLTVLRWRCORRGQCGWIPIQYPIIIECKKSC 232

RESULT 8

US-09-167-874-11
; Sequence 11, Application US/09167874
; Patent No. 6277593
; GENERAL INFORMATION:
; APPLICANT: Valenzuela et al.
; TITLE OF INVENTION: DORSAL TISSUE AFFECTING FACTOR AND COMPOSITIONS
; FILE REFERENCE: REG132-B
; CURRENT APPLICATION NUMBER: US/09/167,874
; EARLIER FILING DATE: 1998-10-07
; EARLIER APPLICATION NUMBER: 08/485,721
; EARLIER FILING DATE: 1995-07-06
; EARLIER APPLICATION NUMBER: 08/392,935
; EARLIER FILING DATE: 1995-09-22
; EARLIER APPLICATION NUMBER: PCT/US93/08326
; EARLIER FILING DATE: 1993-09-02
; EARLIER APPLICATION NUMBER: 07/957,401
; EARLIER FILING DATE: 1992-10-06
; EARLIER APPLICATION NUMBER: 07/950,410
; EARLIER FILING DATE: 1993-09-23
; EARLIER APPLICATION NUMBER: 07/939,954
; EARLIER FILING DATE: 1992-09-03
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 232
; TYPE: PRT
; ORGANISM: mouse
US-09-167-874-11

Query Match 99.2%; Score 1258; DB 3; Length 232;
Best Local Similarity 99.1%; Pred. No. 3.5e-125;
Matches 230; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Db 1 MERCPSLGVTLYALVVVLGLRATPAGGQHYLHIRPAPSDNPLPLVDLIEHPDPIFDPKED 60

QY 61 LNETLLRSLGHHYDPGFMATSPEDRPGGGGAGGAEDLAELDQLLRRPSPGAMPSEI 120
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Db 61 LNETLLRSLGHHYDPGFMATSPEDRPGGGGAGGAEDLAELDQLLRRPSPGAMPSEI 120

QY 121 KGLEFSEGLAQKKORLSKKLRRKQLMWLWSQTFPCPVLYAWNDLGSFRFPYRVKVGSCFS 180
|||||
Db 121 KGLEFSEGLAQKKORLSKKLRRKQLMWLWSQTFPCPVLYAWNDLGSFRFPYRVKVGSCFS 180

QY 181 KRCSVPPEGMVCKPSKSVHLTVLRWRCORRGQCGWIPIQYPIIIECKKSC 232
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Db 181 KRCSVPPEGMVCKPSKSVHLTVLRWRCORRGQCGWIPIQYPIIIECKKSC 232

RESULT 9

US-09-500-253B-11
; Sequence 11, Application US/09500253B
; Patent No. 6500640

; GENERAL INFORMATION:

; APPLICANT: Regeneron Pharmaceuticals, Inc.
; TITLE OF INVENTION: Modified Dorsal Tissue Affecting Factor and Composition
; FILE REFERENCE: REG 133-2
; CURRENT APPLICATION NUMBER: US/09/500,253B
; CURRENT FILING DATE: 2000-02-08
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 11
; LENGTH: 232
; TYPE: PRT
; ORGANISM: mouse
US-09-500-253B-11

Query Match 99.2%; Score 1258; DB 4; Length 232;
Best Local Similarity 99.1%; Pred. No. 3.5e-125;
Matches 230; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Db 1 MERCPSLGVTLYALVVVLGLRATPAGGQHYLHIRPAPSDNPLPLVDLIEHPDPIFDPKED 60

QY 61 LNETLLRSLGHHYDPGFMATSPEDRPGGGGAGGAEDLAELDQLLRRPSPGAMPSEI 120
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Db 61 LNETLLRSLGHHYDPGFMATSPEDRPGGGGAGGAEDLAELDQLLRRPSPGAMPSEI 120

QY 121 KGLEFSEGLAQKKORLSKKLRRKQLMWLWSQTFPCPVLYAWNDLGSFRFPYRVKVGSCFS 180
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Db 121 KGLEFSEGLAQKKORLSKKLRRKQLMWLWSQTFPCPVLYAWNDLGSFRFPYRVKVGSCFS 180

QY 181 KRCSVPPEGMVCKPSKSVHLTVLRWRCORRGQCGWIPIQYPIIIECKKSC 232
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Db 181 KRCSVPPEGMVCKPSKSVHLTVLRWRCORRGQCGWIPIQYPIIIECKKSC 232

RESULT 10

US-08-897-236-23
; Sequence 23, Application US/08897236A
; Patent No. 6075007

; GENERAL INFORMATION:

; APPLICANT: Regeneron Pharmaceuticals, Inc.
; TITLE OF INVENTION: Modified Dorsal Tissue Affecting Factor and Composition
; FILE REFERENCE: REG 133
; CURRENT APPLICATION NUMBER: US/08/897,236A
; CURRENT FILING DATE: 1997-07-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 23
; LENGTH: 449
; TYPE: PRT
; ORGANISM: human
US-08-897-236-23

Query Match 94.2%; Score 1195; DB 3; Length 449;
Best Local Similarity 94.8%; Pred. No. 4.1e-118;
Matches 220; Conservative 0; Mismatches 0; Indels 12; Gaps 1;

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Db 1 MERCPSLGVTLYALVVVLGLRATPAGGQHYLHIRPAPSDNPLPLVDLIEHPDPIFDPKED 60

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Db 61 LNETLLRSLGHHYDPGFMATSPEDRPGGGGAGGAEDLAELDQLLRRPSPGAMPSEI 120

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Db 121 KGLEFSEGLAQKKORLSKKLRRKQLMWLWSQTFPCPVLYAWNDLGSFRFPYRVKVGSCFS 180

QY 181 KRCSVPPEGMVCKPSKSVHLTVLRWRCORRGQCGWIPIQYPIIIECKKSC 232
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Db 169 KRCSVPPEGMVCKPSKSVHLTVLRWRCORRGQCGWIPIQYPIIIECKKSC 220

RESULT 11
US-09-500-253B-23
; Sequence 23, Application US/09500253B
; Patent No. 6500640
; GENERAL INFORMATION:
; APPLICANT: Regeneron Pharmaceuticals, Inc.
; TITLE OF INVENTION: Modified Dorsal Tissue Affecting Factor and Composition
; FILE REFERENCE: REG 133-2
; CURRENT APPLICATION NUMBER: US/09/500,253B
; CURRENT FILING DATE: 2000-02-08
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 23
; LENGTH: 449
; TYPE: PRT
; ORGANISM: Human
US-09-500-253B-23

Query Match 94.2%; Score 1195; DB 4; Length 449;
Best Local Similarity 94.8%; Pred. No. 4.1e-118;
Matches 220; Conservative 0; Mismatches 0; Indels 12; Gaps 1;
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Db 1 MERCPSLGVTLYALVVLGLRATPAGQHYLHIRPAPSDNLPVLVDLIEHPDPIDPKED 60
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Db 61 LNETLRLSLGGHYDPGFATSPEDRPGGGGAAGGAEDLAELDQLLRQPSGAMPSEI 120
QY 121 KGLEFSEGLAQKQRLSKKRLQWLWSQTCFVLYAWNDLGSFRFPRYKVGSCFS 180
Db 121 KGLEFSEGLAQKQRLSKKRLQWLWSQTCFVLYAWNDLGSFRFPRYKVGSCFS 168
QY 181 KRSCSVPEGMVKPSKSVHLTVLRWCORRGQRGQGWIPYPIIIECKKSC 232
Db 169 KRSCSVPEGMVKPSKSVHLTVLRWCORRGQRGQGWIPYPIIIECKKSC 220

RESULT 12
US-08-485-721-9
; Sequence 9, Application US/08485721
; Patent No. 5821124
; GENERAL INFORMATION:
; APPLICANT: Regeneron Pharmaceuticals, Inc. and
; APPLICANT: Regents of the University of California
; TITLE OF INVENTION: Dorsal Tissue Affecting Factor and
; TITLE OF INVENTION: Dorsal Tissue Affecting Factor and
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill River Road
; CITY: Tarrytown
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10591
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,721
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/392,935
; FILING DATE: 02-SEP-1993
; APPLICATION NUMBER: PCT/US93/08326
; FILING DATE: 02-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Kempler Ph.D., Gail M.

; REGISTRATION NUMBER: 32,143
; REFERENCE/DOCKET NUMBER: Reg 132
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 914-347-7000
; TELEFAX: 914-347-2113
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 222 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-485-721-9

Query Match 74.9%; Score 949.5; DB 2; Length 222;
Best Local Similarity 78.1%; Pred. No. 1.5e-92;
Matches 175; Conservative 17; Mismatches 23; Indels 9; Gaps 2;
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Db 8 VTYALVVLGLRATPAGQHYLHIRPAPSDNLPVLVDLIEHPDPIDPKEDLNETLLRT 67
QY 69 LLGGHYDPGFATSPEDRPGGGGAAGGAEDLAELDQLLRQPSGAMPSEIKGLEFSEG 128
Db 68 LMVGHFDPGFATSPEDRPGGGGAAGGAEDLAELDQLLRQPSGAMPSEIKGLEFSEG 119
QY 129 LAQGGKORLSKRLRRKQLQWLWSQTCFVLYAWNDLGSFRFPRYKVGSCFSKRSCSVPE 188
Db 120 L-QSKHRLSKRLRRKQLQWLWSQTCFVLYAWNDLGSFRFPRYKVGSCFSKRSCSVPE 178
QY 189 GMVKPSPKSVHLTVLRWCORRGQRGQGWIPYPIIIECKKSC 232
Db 179 GMVCKAAKSNHLTVLRWCORRGQRGQGWIPYPIIIECKKSC 222

RESULT 13
US-08-392-935-9
; Sequence 9, Application US/08392935
; Patent No. 5843775
; GENERAL INFORMATION:
; APPLICANT: Regeneron Pharmaceuticals, Inc. and
; APPLICANT: Regents of the University of California
; TITLE OF INVENTION: Dorsal Tissue Affecting Factor and
; TITLE OF INVENTION: Compositions
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill River Road
; CITY: Tarrytown
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10591
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/392,935
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/08326
; FILING DATE: 02-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Kempler Ph.D., Gail M.
; REGISTRATION NUMBER: 32,143
; REFERENCE/DOCKET NUMBER: Reg 132
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 914-347-7000
; TELEFAX: 914-347-2113
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 222 amino acids

Job time : 19 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: July 24, 2003, 13:20:01 ; Search time 52 Seconds
(without alignments)
529.851 Million cell updates/sec

Title: US-09-897-322-2

Perfect score: 1268

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Total number of hits satisfying chosen parameters: 451899

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1268	100.0	232	14	US-10-044-716-4
3	1268	100.0	232	16	US-10-323-268-2
4	1258	99.2	232	10	US-09-897-322-11
5	1258	99.2	232	14	US-10-044-716-6
6	1258	99.2	232	16	US-10-323-268-11
7	1195	94.2	449	16	US-10-323-268-23
8	90.5	7.1	623	10	US-09-854-731-4
9	88.5	7.0	979	10	US-09-884-001-4
10	87.5	6.9	1368	15	US-10-159-151-2
11	87	6.9	14	10	US-09-897-322-3
12	87	6.9	14	16	US-10-323-268-3
13	86.5	6.8	939	9	US-09-854-845-16
14	86.5	6.8	934	9	US-09-854-845-14
15	86.5	6.8	1034	9	US-09-854-845-6

16	86.5	6.8	1049	9	US-09-854-845-2	Sequence 2, Appli
17	86.5	6.8	1078	9	US-09-854-845-8	Sequence 8, Appli
18	86.5	6.8	1092	15	US-10-245-103-96	Sequence 96, Appli
19	86.5	6.8	1092	15	US-10-245-107-96	Sequence 96, Appli
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23	86.5	6.8	1092	15	US-10-245-883-96	Sequence 96, Appli
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27	86.5	6.8	1092	15	US-10-238-370-96	Sequence 96, Appli
28	86.5	6.8	1092	15	US-10-245-055-96	Sequence 96, Appli
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35	86.5	6.8	1092	15	US-10-243-409-96	Sequence 96, Appli
36	86.5	6.8	1092	15	US-10-245-621-96	Sequence 96, Appli
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39	86.5	6.8	1092	15	US-10-243-095-96	Sequence 96, Appli
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42	86.5	6.8	1092	15	US-10-245-473-96	Sequence 96, Appli
43	86.5	6.8	1092	15	US-10-245-770-96	Sequence 96, Appli
44	86.5	6.8	1092	15	US-10-245-877-96	Sequence 96, Appli
45	86.5	6.8	1092	15	US-10-246-976-96	Sequence 96, Appli

ALIGNMENTS

RESULT 1
US-09-897-322-2
; Sequence 2, Application US/09897322
; Patent No. US20020102643A1
; GENERAL INFORMATION:
; APPLICANT: Valenzuela et al.
; TITLE OF INVENTION: DORSAL TISSUE AFFECTING FACTOR AND COMPOSITIONS
; FILE REFERENCE: REG132-B
; CURRENT APPLICATION NUMBER: US/09/897,322
; CURRENT FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: 09/167,874
; PRIOR FILING DATE: 1998-10-07
; PRIOR APPLICATION NUMBER: 08/485,721
; PRIOR FILING DATE: 1995-07-06
; PRIOR APPLICATION NUMBER: 08/392,935
; PRIOR FILING DATE: 1995-09-22
; PRIOR APPLICATION NUMBER: PCT/US93/08326
; PRIOR FILING DATE: 1993-09-02
; PRIOR APPLICATION NUMBER: 07/957,401
; PRIOR FILING DATE: 1992-10-06
; PRIOR APPLICATION NUMBER: 07/950,410
; PRIOR FILING DATE: 1992-09-23
; PRIOR APPLICATION NUMBER: 07/939,954
; PRIOR FILING DATE: 1992-09-03
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-897-322-2

Query Match 100.0%; Score 1268; DB 10; Length 232;
Best Local Similarity 100.0%; Pred. No. 3.5e-115;
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 MERCPSLGVTLYALVVVLGLRATPAGQGHYLIHIRPAPSDNPLVDLIEHPDPIFDPKKD 60
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Db 121 KGLEFSEGLAQGGKQKRLSKLRLQWLWSQTFPCPVLYAWNDLGSFWRPVRVYKVGSCFS 180
QY 181 KRCSVPPEGMVCKPSKSVHLTVLRWRCORRGCGRCGWIPIQYPIIIECKKSC 232
Db 181 KRCSVPPEGMVCKPSKSVHLTVLRWRCORRGCGRCGWIPIQYPIIIECKKSC 232

RESULT 2
US-10-044-716-4
; Sequence 2, Application US/10044716
; Publication No. US20020159986A1
; GENERAL INFORMATION:
; APPLICANT: LANGENFELD, John
; TITLE OF INVENTION: BONE MORPHOGENETIC PROTEIN-2 IN THE TREATMENT AND DIAGNOSIS OF CA
; FILE REFERENCE: 270/0700S
; CURRENT APPLICATION NUMBER: US/10/044,716
; PRIOR FILING DATE: 2002-01-11
; PRIOR APPLICATION NUMBER: US30/261,252
; PRIOR FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-044-716-4

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Best Local Similarity 100.0%; Pred. No. 3.5e-115;
Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 61 LNETLLRSLLGGHYDPGMATSPEDRPGGGGGAAGAEADLAELDQLLRQPSGAMPSEI 120
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RESULT 3
US-10-323-268-2
; Sequence 2, Application US/10323268
; Publication No. US20030129703A1
; GENERAL INFORMATION:
; APPLICANT: Regeneron Pharmaceuticals, Inc.
; TITLE OF INVENTION: Modified Dorsal Tissue Affecting Factor and Composition
; FILE REFERENCE: REG 133-2
; CURRENT APPLICATION NUMBER: US/10/323,268
; CURRENT FILING DATE: 2002-12-19
; PRIOR APPLICATION NUMBER: US/09/500,253
; PRIOR FILING DATE: 2000-02-08
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 232
; TYPE: PRT

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; ORGANISM: human
US-10-323-268-2

Query Match 100.0%; Score 1268; DB 16; Length 232;
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Matches 232; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 4
US-09-897-322-11
; Sequence 11, Application US/09897322
; Patent No. US20020102843A1
; GENERAL INFORMATION:
; APPLICANT: Valenzuela et al.
; TITLE OF INVENTION: DORSAL TISSUE AFFECTING FACTOR AND COMPOSITIONS
; FILE REFERENCE: REG132-B
; CURRENT APPLICATION NUMBER: US/09/897,322
; CURRENT FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: 09/167,874
; PRIOR FILING DATE: 1998-10-07
; PRIOR APPLICATION NUMBER: 08/485,721
; PRIOR FILING DATE: 1995-07-06
; PRIOR APPLICATION NUMBER: 08/392,935
; PRIOR FILING DATE: 1995-09-22
; PRIOR APPLICATION NUMBER: PCT/US93/08326
; PRIOR FILING DATE: 1993-09-02
; PRIOR APPLICATION NUMBER: 07/957,401
; PRIOR FILING DATE: 1992-10-06
; PRIOR APPLICATION NUMBER: 07/950,410
; PRIOR FILING DATE: 1992-09-23
; PRIOR APPLICATION NUMBER: 07/939,954
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 232
; TYPE: PRT
; ORGANISM: mouse
US-09-897-322-11

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Best Local Similarity 99.1%; Pred. No. 3.3e-114;
Matches 230; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Db 61 LNETLLRSLLGGHYDPGMATSPEDRPGGGGGAAGAEADLAELDQLLRQPSGAMPSEI 120
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Db      181 KRSCSVPEGMVCKPSKSVHLTVLRWRCORRGQRCGWIPIQYPIISECKKSC 232
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US-10-044-716-6
; Sequence 6, Application US/10044716
; Publication No. US20020159986A1
; GENERAL INFORMATION:
; APPLICANT: LANGENFELD, John
; TITLE OF INVENTION: BONE MORPHOGENETIC PROTEIN-2 IN THE TREATMENT AND DIAGNOSIS OF CA
; CURRENT APPLICATION NUMBER: US/10/044,716
; CURRENT FILING DATE: 2002-01-11
; PRIOR APPLICATION NUMBER: US60/261,252
; PRIOR FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-044-716-6

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Query Match      99.2%; Score 1258; DB 16; Length 232;
Best Local Similarity 99.1%; Pred. No. 3.3e-114;
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|||||
QY      61 LNETLLRSLLGGHYDPGFMATSPEDRPGGGGAGGAEDLAELDQLLRORPSGAMPSEI 120
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Db      61 LNETLLRSLLGGHYDPGFMATSPEDRPGGGGAGGAEDLAELDQLLRORPSGAMPSEI 120
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QY      121 KGLEFSEGLAOGKKQRLSKLRKQLMWLWSQTFPCPVLYAWNDLGSFRFPRYVKVGSCTS 180
|||||
Db      121 KGLEFSEGLAOGKKQRLSKLRKQLMWLWSQTFPCPVLYAWNDLGSFRFPRYVKVGSCTS 180
|||||
QY      181 KRSCSVPEGMVCKPSKSVHLTVLRWRCORRGQRCGWIPIQYPIISECKKSC 232
|||||
Db      181 KRSCSVPEGMVCKPSKSVHLTVLRWRCORRGQRCGWIPIQYPIISECKKSC 232
|||||

RESULT 6
US-10-323-268-11
; Sequence 11, Application US/10323268
; Publication No. US20030129703A1
; GENERAL INFORMATION:
; APPLICANT: Regeneron Pharmaceuticals, Inc.
; TITLE OF INVENTION: Modified Dorsal Tissue Affecting Factor and Composition
; FILE REFERENCE: REG 133-Z
; CURRENT APPLICATION NUMBER: US/10/323,268
; CURRENT FILING DATE: 2002-12-19
; PRIOR APPLICATION NUMBER: US/09/500,253
; PRIOR FILING DATE: 2000-02-08
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 11
; LENGTH: 232
; TYPE: PRT
; ORGANISM: Mouse
US-10-323-268-11

Query Match      99.2%; Score 1258; DB 16; Length 232;
Best Local Similarity 99.1%; Pred. No. 3.3e-114;
Matches 230; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      1 MERCPISLGVTLVYALVVVGLRATPAGQGHYHLIRPAPSDNPLVLDLIEHPDPIDPKED 60
|||||
Db      1 MERCPISLGVTLVYALVVVGLRATPAGQGHYHLIRPAPSDNPLVLDLIEHPDPIDPKED 60
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QY      61 LNETLLRSLLGGHYDPGFMATSPEDRPGGGGAGGAEDLAELDQLLRORPSGAMPSEI 120
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Db      61 LNETLLRSLLGGHYDPGFMATSPEDRPGGGGAGGAEDLAELDQLLRORPSGAMPSEI 120
|||||
QY      121 KGLEFSEGLAOGKKQRLSKLRKQLMWLWSQTFPCPVLYAWNDLGSFRFPRYVKVGSCTS 180
|||||
Db      121 KGLEFSEGLAOGKKQRLSKLRKQLMWLWSQTFPCPVLYAWNDLGSFRFPRYVKVGSCTS 180
|||||
QY      181 KRSCSVPEGMVCKPSKSVHLTVLRWRCORRGQRCGWIPIQYPIISECKKSC 232
|||||
Db      181 KRSCSVPEGMVCKPSKSVHLTVLRWRCORRGQRCGWIPIQYPIISECKKSC 232
|||||

RESULT 7
US-10-323-268-23
; Sequence 23, Application US/10323268
; Publication No. US20030129703A1
; GENERAL INFORMATION:
; APPLICANT: Regeneron Pharmaceuticals, Inc.
; TITLE OF INVENTION: Modified Dorsal Tissue Affecting Factor and Composition
; FILE REFERENCE: REG 133-Z
; CURRENT APPLICATION NUMBER: US/10/323,268
; CURRENT FILING DATE: 2002-12-19
; PRIOR APPLICATION NUMBER: US/09/500,253
; PRIOR FILING DATE: 2000-02-08
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 23
; LENGTH: 449
; TYPE: PRT
; ORGANISM: Human
US-10-323-268-23

Query Match      94.2%; Score 1195; DB 16; Length 449;
Best Local Similarity 94.8%; Pred. No. 9.8e-108;
Matches 220; Conservative 0; Mismatches 0; Indels 12; Gaps 1;

QY      1 MERCPISLGVTLVYALVVVGLRATPAGQGHYHLIRPAPSDNPLVLDLIEHPDPIDPKED 60
|||||
Db      1 MERCPISLGVTLVYALVVVGLRATPAGQGHYHLIRPAPSDNPLVLDLIEHPDPIDPKED 60
|||||
QY      61 LNETLLRSLLGGHYDPGFMATSPEDRPGGGGAGGAEDLAELDQLLRORPSGAMPSEI 120
|||||
Db      61 LNETLLRSLLGGHYDPGFMATSPEDRPGGGGAGGAEDLAELDQLLRORPSGAMPSEI 120
|||||
QY      121 KGLEFSEGLAOGKKQRLSKLRKQLMWLWSQTFPCPVLYAWNDLGSFRFPRYVKVGSCTS 180
|||||
Db      121 KGLEFSEGLAOGKKQRLSKLRKQLMWLWSQTFPCPVLYAWNDLGSFRFPRYVKVGSCTS 180
|||||
QY      181 KRSCSVPEGMVCKPSKSVHLTVLRWRCORRGQRCGWIPIQYPIISECKKSC 232
|||||
Db      169 KRSCSVPEGMVCKPSKSVHLTVLRWRCORRGQRCGWIPIQYPIISECKKSC 220
|||||

RESULT 8
US-09-854-731-4
; Sequence 4, Application US/09854731
; Patent No. US20020120949A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Steve
; APPLICANT: Lee, Jian Ming
; TITLE OF INVENTION: Plant Protein Kinases
; FILE REFERENCE: BB-1171
; CURRENT APPLICATION NUMBER: US/09/854,731
; CURRENT FILING DATE: 2001-05-14
; PRIOR APPLICATION NUMBER: 60/092,438
; PRIOR FILING DATE: July 10, 1998
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 4
; LENGTH: 623
; TYPE: PRT
; ORGANISM: Oryza sativa

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; SEQ ID NO 3
; LENGTH: 14
; TYPE: PRT
; ORGANISM: frog and mouse
US-09-897-322-3

Query Match 6.9%; Score 87; DB 10; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.049;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 146 QMWLSQTFPCVLY 159
Db 1 QMWLSQTFPCVLY 14

RESULT 12
US-10-323-268-3
; Sequence 3, Application US/10323268
; Publication No. US20030129703A1

; GENERAL INFORMATION:
; APPLICANT: Regeneron Pharmaceuticals, Inc.
; TITLE OF INVENTION: Modified Dorsal Tissue Affecting Factor and Composition
; FILE REFERENCE: REG 133-Z
; CURRENT APPLICATION NUMBER: US/10/323,268
; CURRENT FILING DATE: 2002-12-19
; PRIOR APPLICATION NUMBER: US/09/500,253
; PRIOR FILING DATE: 2000-02-08
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 14
; TYPE: PRT
; ORGANISM: frog and mouse
US-10-323-268-3

Query Match 6.9%; Score 87; DB 16; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.049;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 146 QMWLSQTFPCVLY 159
Db 1 QMWLSQTFPCVLY 14

RESULT 13
US-09-854-845-16
; Sequence 16, Application US/09854845
; Patent No. US20020098491A1

; GENERAL INFORMATION:
; APPLICANT: Walke, D. Wade
; APPLICANT: Wang, Xiaoming
; APPLICANT: Scoville, John
; APPLICANT: Turner, C. Alexander Jr.
; TITLE OF INVENTION: No. US20020098491A1 Human Semaphorin Homologs and Polynucleotid
; FILE REFERENCE: LEX-0177-USA
; CURRENT APPLICATION NUMBER: US/09/854,845
; CURRENT FILING DATE: 2001-05-14
; PRIOR APPLICATION NUMBER: US 60/205,274
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/208,893
; PRIOR FILING DATE: 2000-06-02
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 939
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-854-845-16

Query Match 6.8%; Score 86.5; DB 9; Length 939;
Best Local Similarity 30.2%; Pred. No. 10;
Matches 35; Conservative 10; Mismatches 44; Indels 27; Gaps 9;

QY 132 GKQRLSKLRRKLQMWLSQ--TFCPLYAWNDLGSRFWRVY-----KVGSCFSK 181
Db 380 GKQRCSTLEDSSNMSLWTQNTACPVNRVTRDGGFGPWSWPQCEHLDGDSGSLCR 438
QY 182 -RCSVPE----GMVCKPSKSVHLTVLRWCQRRCGRCGWIPQIPIIIECKKSC 232
Db 439 ARSCDSPRRCGGDLCL-GPAIHIA-----NCSRNG----AWTP--WSSWALCSTSC 483

RESULT 14

US-09-854-845-14
; Sequence 14, Application US/09854845
; Patent No. US20020098491A1
; GENERAL INFORMATION:
; APPLICANT: Walke, D. Wade
; APPLICANT: Wang, Xiaoming
; APPLICANT: Scoville, John
; APPLICANT: Turner, C. Alexander Jr.
; TITLE OF INVENTION: No. US20020098491A1 Human Semaphorin Homologs and Polynucleo
; FILE REFERENCE: LEX-0177-USA
; CURRENT APPLICATION NUMBER: US/09/854,845
; CURRENT FILING DATE: 2001-05-14
; PRIOR APPLICATION NUMBER: US 60/205,274
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/208,893
; PRIOR FILING DATE: 2000-06-02
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 954
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-854-845-14

Query Match 6.8%; Score 86.5; DB 9; Length 954;
Best Local Similarity 30.2%; Pred. No. 11;
Matches 35; Conservative 10; Mismatches 44; Indels 27; Gaps 9;

QY 132 GKQRLSKLRRKLQMWLSQ--TFCPLYAWNDLGSRFWRVY-----KVGSCFSK 181
Db 380 GKQRCSTLEDSSNMSLWTQNTACPVNRVTRDGGFGPWSWPQCEHLDGDSGSLCR 438
QY 182 -RCSVPE----GMVCKPSKSVHLTVLRWCQRRCGRCGWIPQIPIIIECKKSC 232
Db 439 ARSCDSPRRCGGDLCL-GPAIHIA-----NCSRNG----AWTP--WSSWALCSTSC 483

RESULT 15

US-09-854-845-6
; Sequence 6, Application US/09854845
; Patent No. US20020098491A1
; GENERAL INFORMATION:
; APPLICANT: Walke, D. Wade
; APPLICANT: Wang, Xiaoming
; APPLICANT: Scoville, John
; APPLICANT: Turner, C. Alexander Jr.
; TITLE OF INVENTION: No. US20020098491A1 Human Semaphorin Homologs and Polynucleo
; FILE REFERENCE: LEX-0177-USA
; CURRENT APPLICATION NUMBER: US/09/854,845
; CURRENT FILING DATE: 2001-05-14
; PRIOR APPLICATION NUMBER: US 60/205,274
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/208,893
; PRIOR FILING DATE: 2000-06-02
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1034
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-854-845-6
Query Match 6.8%; Score 86.5; DB 9; Length 1034;

Best Local Similarity 30.2%; Pred. No. 12;
Matches 35; Conservative 10; Mismatches 44; Indels 27; Gaps 9;
QY 132 GKORLSKLRKQLQMWLSO--TFCPVLYAWNDLGSRFWPRVY-----KVGSCFSK 181
Db 475 GKQQRCS-TLEDSSNMSLWNTITACPVNRVTRDGGFGPWSPOCEHLDGDNSSGCLCR 533
QY 182 -RSCSVPE-----GMVCKPFSKSVHLTVLWRQRRGQRCGWIPYPIISECKCSC 232
Db 534 ARSCDPRPRCGGLDCL-GPAIHIA----NCSRNG---AWTP--WSSWALCSTSC 578

Search completed: July 24, 2003, 13:31:07
Job time : 53 secs